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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,468	04/01/2004	Ryan E.T. Sanders	110172.403	8409
500 7590 03/16/2009 SEED INTELLECTUAL PROPERTY LAW GROUP PLLC 701 FIFTH AVE SUITE 5400 SEATTLE, WA 98104				
EXAMINER FACTOL, NICHOLAS C				
ART UNIT		PAPER NUMBER		
2625				
MAIL DATE		DELIVERY MODE		
03/16/2009		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/816,468

Applicant(s)

SANDERS ET AL.

Examiner

Nicholas C. Pachol

Art Unit

2625

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 December 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 and 17-34 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 and 17-34 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/S508)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-1 and 17-34 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-5, 8, 17-20, 25, 29, 33 and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Redd (US 6,646,754) in view of Carroll (US 2003/0142350).

Regarding Claim 1, Carroll teaches a method (Page 1, paragraph 2), comprising:
receiving a print job that requests to print a set of electronic document pages that are available from a communication network (Page 1, paragraphs 8 and 9);

breaking up the print job into a plurality of batches each having a plurality of electronic document pages that together form the set of electronic document pages (Page 1, paragraph 9); and

separately sending said each batch having said respective stamps that have been applied to its electronic document pages to a client terminal to be printed, while electronic document pages of other batches of said print job that are awaiting to be

printed are having their said respective stamps applied to them (Page 1, paragraph 10, wherein by stamping the documents before printing, the batches already have stamps applied before they are sent to be printed), wherein all said batches of said print job are sent to said client terminal for printing on a same single printer of said client terminal (Page 3, paragraph 61).

Carroll does not teach before printing, applying stamps to the electronic document pages of each batch of said print job.

Hansen does teach before printing, applying stamps to the electronic document pages of each batch of said print job (Column 10, lines 41-57, wherein the software allows the applying of the stamp before the job is sent to the printer, therefore it is before printing).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Redd in view of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 2, Carroll further teaches logging print job status information as electronic document pages of each batch are stamped and sent to the client terminal (Page 3, paragraph 57).

Regarding Claim 3, Carroll further teaches if an interruption occurs during printout of electronic document pages of a batch (Page 3, paragraph 58):

checking the logged print job status information to determine which batch was last successfully printed (Page 3, paragraph 58); and

re-starting the print job at a batch subsequent to the batch that was last successfully printed, instead of re-starting the print job from its beginning first batch (Page 3, paragraph 61).

Regarding Claim 5, Carroll further teaches receiving a download request for another set of electronic document pages (Page 3, paragraph 55, wherein it is shown in Figure 2, that two jobs are present, 28 and 29, wherein one job must of have been submitted before the other job. Therefore, there was a request to have a request for a second job. Downloading is considered any transmission from one apparatus to another, therefore transmitting a job is a form of a download request);

breaking up the download request into a plurality of batches each having a plurality of electronic document pages that together form the another set of electronic document pages (Page 3, paragraph 55, wherein the same process is applied to all jobs, so therefore it is applied to another request); and

separately sending each of these batches having stamps applied to its electronic document pages to the client terminal, while electronic document pages of other batches are having stamps applied to them (Page 1, paragraph 10, wherein by

stamping the documents before printing, the batches already have stamps applied before they are sent to be printed).

Carroll does not teach applying stamps to these electronic document pages of each batch.

Hansen does teach applying stamps to these electronic document pages of each batch (Column 10, lines 41-57, wherein the software allows the applying of the stamp before the job is sent to the printer, therefore it is before printing).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 8, Carroll does not teach storing print job data, including template information usable for applying the stamps to the electronic document pages, at a first server remote from the client terminal;

if the print job is generated, providing at least some of the print job data to the client terminal;

at a second server, receiving the print job data from the client terminal and obtaining template information corresponding to the print job data from the first server.

Hansen does teach storing print job data, including template information usable for applying the stamps to the electronic document pages, at a first server remote from

the client terminal (Figure 1, element 118 and Column 6, lines 26-33 and Column 10, lines 64-66);

if the print job is generated, providing at least some of the print job data to the client terminal (Figure 1, element 116 and Column 6, lines 16-26);

at a second server, receiving the print job data from the client terminal and obtaining template information corresponding to the print job data from the first server (Figure 1, element 120 and Column 7, lines 42-55).

Carroll in view of Hansen and Redd are combinable because they both deal with processing print job in a network.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with the teachings of Redd for the purpose of optimizing the sending of a batch print job (Redd: Column 4, lines 53-60).

Regarding Claim 10, Carroll does not teach generating stamping statistics indicative of either one or both of which electronic document pages have been stamped and an amount of electronic document pages that have been stamped.

Hansen does teach generating stamping statistics indicative of either one or both of which electronic document pages have been stamped and an amount of electronic document pages that have been stamped (Column 8, line 64-Column 9, line 3, since the documents that need to be stamped are shown in the preflight stage, then once they are

stamped they are sent to the production staged and ready to be ready. By this, the documents that are in the print queue are the documents that have been stamped).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 17, Carroll teaches a system (Page 1, paragraph 2) comprising:
a printer executable component to control download of remote electronic files to a printer (Page 1, paragraphs 8 and 9);

and to break up the print job into multiple batches having a plurality of pages that together form the set of electronic files (Page 1, paragraph 9), and the printer while pages of other batches of said print job that are awaiting to be printed are being stamped (Page 1, paragraph 10, wherein by stamping the documents before printing, the batches already have stamps applied before they are sent to be printed),

wherein all said batches of said print job are sent to said client terminal for printing on a same single printer of said client terminal (Page 3, paragraph 61).

Carroll does not teach a server communicatively coupled to the printer executable component to store print job data; and

at least one stamping service in communication with both the server and the printer executable component, wherein if the printer executable component is launched

to initiate a print job, the printer executable component is coupled to obtain at least some of the stored print job data from the server and to provide this obtained print job data to the stamping service, the printer executable component being capable to use the print job data provided by the printer executable component to obtain stamps from the server that are to be applied to a set of electronic files before being printed by said printer, the printer executable component being further capable to apply the stamps to pages of each batch of said print job before being printed by said printer.

Hansen does teach a server communicatively coupled to the printer executable component to store print job data (Column 7, lines 25-41 and Figure 1, element 120); and

at least one stamping service in communication with both the server and the printer executable component (Column 10, lines 41-57), wherein if the printer executable component is launched to initiate a print job, the printer executable component is coupled to obtain at least some of the stored print job data from the server and to provide this obtained print job data to the stamping service (Column 7, lines 42-44 and Column 8, lines 21-46), the printer executable component being capable to use the print job data provided by the printer executable component to obtain stamps from the server that are to be applied to a set of electronic files before being printed by said printer (Column 10, lines 41-57), the printer executable component being further capable to apply the stamps to pages of each batch of said print job before being printed by said printer (Column 10, lines 41-66).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 18, Carroll does not teach a plurality of stamping services, each stamping service being capable to stamp pages of batches corresponding to a same print job.

Hansen does teach a plurality of stamping services, each stamping service being capable to stamp pages of batches corresponding to a same print job (Column 10, lines 52-57).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 20, Carroll further teaches wherein the stamping service is capable to provide print job updates to the server, wherein the printer executable component is adapted to access the print job updates at the server to re-start the print

job in case of interruption, at a batch subsequent to a batch that was last successfully printed, instead of a re-start of the print job from a first batch (Page 3 paragraph 58).

Regarding Claim 23, Carroll does not teach a stamping data store in communication with the stamping service to store stamping statistics that are provided by the stamping service.

Hansen does teach a stamping data store in communication with the stamping service to store stamping statistics that are provided by the stamping service (Column 8, line 64-Column 9, line 3, since the documents that need to be stamped are shown in the preflight stage, then once they are stamped they are sent to the production staged and ready to be ready. By this, the documents that are in the print queue are the documents that have been stamped).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 24, Carroll does not teach wherein the server is adapted to request print preview information from the stamping service, the stamping service being capable to provide the preview information as a representation of a page having stamps

applied thereto, the server being able to subsequently provide the preview information to the printer executable component.

Hansen does teach wherein the server is adapted to request print preview information from the stamping service, the stamping service being capable to provide the preview information as a representation of a page having stamps applied thereto, the server being able to subsequently provide the preview information to the printer executable component (Column 10, lines 54-64).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 25, Carroll does not teach at least another executable component, including a download executable component to control storage of stamped pages of batches to a storage unit.

Hansen does teach at least another executable component, including a download executable component to control storage of stamped pages of batches to a storage unit (Column 6, lines 26-33).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 26, Carroll does not teach comprising a plurality of user interface usable to perform at least one of create a template having the stamps, assign Bates number formats to the electronic files, identify a print job, view print job status information, select a location to save the stamped pages, and select a printer to print the stamped pages.

Hansen does teach comprising a plurality of user interface usable to perform at least one of create a template having the stamps, assign Bates number formats to the electronic files, identify a print job, view print job status information, select a location to save the stamped pages, and select a printer to print the stamped pages (Column 10, line 41- Column 11 line 2).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 29, Carroll teaches a system (Page 1, paragraph 2) comprising:

a means for receiving a print job that requests to print a set of electronic document pages that are available from a communication network (Page 1, paragraphs 8 and 9);

a means for breaking up the print job into a plurality of batches each having a plurality of electronic document pages that together form the set of electronic document pages (Page 1, paragraph 9);

and a means for separately sending said each batch having said respective stamps that have been applied to its electronic document pages to a client terminal to be printed, while electronic document pages of other batches of said print job that are awaiting to be printed are having their respective stamps applied to them (Page 1, paragraph 10, wherein by stamping the documents before printing, the batches already have stamps applied before they are sent to be printed),

wherein all said batches of said print job are sent to said client terminal for printing on a same single printer of said client terminal (Page 3, paragraph 61).

Carroll does not teach a means for applying, before printing, stamps to the electronic document pages of each batch of said print job.

Hansen does teach a means for applying, before printing, stamps to the electronic document pages of each batch of said print job (Column 10, lines 41-57, wherein the software allows the applying of the stamp before the job is sent to the printer, therefore it is before printing).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 31, Carroll does not teach a means for updating print job status information and for keeping stamping statistics.

Hansen does teach a means for updating print job status information and for keeping stamping statistics (Column 8, line 64-Column 9, line 3, since the documents that need to be stamped are shown in the preflight stage, then once they are stamped they are sent to the production staged and ready to be ready. By this, the documents that are in the print queue are the documents that have been stamped).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 32, Carroll does not teach means for downloading batches having stamped electronic document pages for purposes different from printing.

Hansen does teach means for downloading batches having stamped electronic document pages for purposes different from printing (Column 6, lines 26-33 and Figure 1, element 118, where saving the document is different from printing).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Regarding Claim 34, Carroll does not teach user interface means for creating templates and for initiating print jobs.

Hansen does teach user interface means for creating templates (Column 10, lines 54-66) and for initiating print jobs (Column 12, line 62 – Column 13, line 10).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

4. Claims 4, 19, and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll (US 2003/0142350) in view of Hansen (US 6,407,820) further in view of Redd (US 6,664,754).

Regarding Claim 4, Carroll in view of Hansen does not teach receiving a poll from the client terminal that requests transmission of electronic document pages that have been stamped;

sending the requested stamped electronic document pages to the client terminal, the requested stamped electronic document pages sent to the client terminal comprising less than a complete batch.

Redd does teach receiving a poll from the client terminal that requests transmission of electronic document pages that have been stamped (Column 20, line 53- Column 21, line 15);

sending the requested stamped electronic document pages to the client terminal, the requested stamped electronic document pages sent to the client terminal comprising less than a complete batch (Column 20 ,line 53- Column 21, line15).

Carroll in view of Hansen and Redd are combinable because they both deal with processing print job in a network.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with the teachings of Redd for the purpose of optimizing the sending of a batch print job (Redd: Column 4, lines 53-60).

Regarding Claim 19, Carroll in view of Hansen does not teach wherein the printer executable component is capable to poll the stamping service to request pages that

have been stamped, the stamping service being further capable to send the requested pages, which may comprise less than all pages in a batch.

Redd does teach wherein the printer executable component is capable to poll the stamping service to request pages that have been stamped (Column 20, line 53 – Column 21, line 15), the stamping service being further capable to send the requested pages, which may comprise less than all pages in a batch (Column 20, line 53 – Column 21, line 15).

Carroll in view of Hansen and Redd are combinable because they both deal with processing print job in a network.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with the teachings of Redd for the purpose of optimizing the sending of a batch print job (Redd: Column 4, lines 53-60).

Regarding Claim 33, Carroll in view of Hansen does not teach a means for polling to identify and obtain electronic document pages of a batch that have been stamped and that are ready to be printed, wherein such electronic document pages comprise less than a full batch.

Redd does teach a means for polling to identify and obtain electronic document pages of a batch that have been stamped and that are ready to be printed (Column 20, line 53 – Column 21, line 15), wherein such electronic document pages comprise less than a full batch (Column 20, line 53 – Column 21, line 15).

Carroll in view of Hansen and Redd are combinable because they both deal with processing print job in a network.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with the teachings of Redd for the purpose of optimizing the sending of a batch print job (Redd: Column 4, lines 53-60).

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll (US 2003/0142350) in view of Hansen (US 6,407,820) further in view of Lutz (US 2005/0076298).

Regarding Claim 6, Carroll in view of Hansen does not teach wherein receiving the download request comprises receiving a request to store the requested set of electronic document pages in a storage unit.

However, Lutz does teach wherein receiving the download request comprises receiving a request to store the requested set of electronic document pages in a storage unit (Page 2, paragraph 9).

Carroll in view of Hansen and Lutz are combinable because they all manage print jobs.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Red in view of Carroll with Lutz to decrease the amount of time it takes to process a print job (Lutz: Page 1, paragraph 6).

6. Claims 7, 27, and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll (US 2003/0142350) in view of Hansen (US 6,407,820) further in view of Ferlitsch (US 2004/0190042).

Regarding Claim 7, Carroll in view of Hansen does not teach determining whether a printer executable component to manage flow of the received stamped electronic document pages to a print spooler is present at the client terminal;

if the printer executable component is determined to not be present, downloading and installing the printer executable component in the client terminal; and

launching the printer executable component if a print job is generated.

Ferlitsch does teach determining whether a printer executable component to manage flow of the received stamped electronic document pages to a print spooler is present at the client terminal (Page 6, paragraph 66);

if the printer executable component is determined to not be present, downloading and installing the printer executable component in the client terminal (Page 6, paragraph 66); and

launching the printer executable component if a print job is generated (Page 6, paragraph 66, where the installation is launching the executable).

Carroll in view of Hansen and Ferlitsch are combinable because they deal with batch printing.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with Ferlitsch for the purpose of allowing the printer to perform the necessary functions through the use of an updated drive, firmware of user interface (Ferlitsch: Page 2, paragraph 17).

Regarding Claim 27, Carroll in view of Hansen does not teach another server to download the printer executable component to a client terminal if the printer executable component is not installed in the client terminal if the print job is initiated.

Ferlitsch does teach another server to download the printer executable component to a client terminal if the printer executable component is not installed in the client terminal if the print job is initiated (Page 6, paragraph 66).

Carroll in view of Hansen and Ferlitsch are combinable because they deal with batch printing.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with Ferlitsch for the purpose of allowing the printer to perform the necessary functions through the use of an updated drive, firmware of user interface (Ferlitsch: Page 2, paragraph 17).

Regarding Claim 28, Ferlitsch further teaches wherein the printer executable component is downloaded to be installed as part of a browser application on the client terminal (Page 6, paragraph 66, from a web-site constitutes part of a browser application).

Carroll in view of Hansen and Ferlitsch are combinable because they deal with batch printing.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with Ferlitsch for the purpose of allowing the printer to perform the necessary functions though the use of an updated drive, firmware of user interface (Ferlitsch: Page 2, paragraph 17).

Regarding Claim 30, Carroll does not teach a means for storing the electronic document pages and associated metadata, including template information having the stamps that are applied to the electronic document pages;

a means for querying for and returning corresponding data results associated with stored electronic document pages that are stamped.

a means for providing preview information of electronic document pages showing stamps applied thereto.

Hansen does teach a means for storing the electronic document pages and associated metadata, including template information having the stamps that are applied to the electronic document pages (Column 6, lines 26-33 and Column 10, lines 64-66);

a means for querying for and returning corresponding data results associated with stored electronic document pages that are stamped (Column 10, lines 57-66).

a means for providing preview information of electronic document pages showing stamps applied thereto (Hansen: 57-66).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Carroll in view of Hansen does not teach a means for downloading executable files to the client terminal if the executable files are not yet installed in the client terminal when the print job is initiated.

Ferlitsch does teach a means for downloading executable files to the client terminal if the executable files are not yet installed in the client terminal when the print job is initiated (Ferlitsch: Page 6, paragraph 66).

Carroll in view of Hansen and Ferlitsch are combinable because they deal with batch printing.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with Ferlitsch for the purpose of allowing the printer to perform the necessary functions through the use of an updated drive, firmware of user interface (Ferlitsch: Page 2, paragraph 17).

7. Claims 9 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll (US 2003/0142350) in view of Hansen (US 6,407,820) further in view of Kremer (US 2004/0158655).

Regarding Claim 9, Carroll in view of Hansen does not teach making a temporary copy of the each electronic document page, wherein applying stamps to electronic document pages of each batch includes applying stamps to the temporary copies.

However, Kremer does teach making a temporary copy of the each electronic document page, wherein applying stamps to electronic document pages of each batch includes applying stamps to the temporary copies (Page 6, paragraph 45, where Redd has already broken up the document into different batches).

Carroll in view of Hansen and Kremer are combinable because they all manage print jobs across a network.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with Kremer for maintaining an additional copy of the print job (Page 7, paragraph 51).

Regarding Claim 22, Carroll does not teach a first server unit to store indexed content of the electronic files;

a second server unit to store metadata content of the electronic files, the metadata content including stamps that are obtained by the stamping service and applied to pages of the electronic files

Hansen doe teach a first server unit to store indexed content of the electronic files (Figure 1, element 120 and Column 7, lines 42-55);

a second server unit to store metadata content of the electronic files, the metadata content including stamps that are obtained by the stamping service and

applied to pages of the electronic files (Figure 1, element 118 and Column 6, lines 26-33).

Carroll and Hansen are combinable because they both deal with processing print jobs in a network.

Therefore it is obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll with the teachings of Hansen to add value to the print production process (Hansen: Column 6, lines 51-59).

Carroll in view of Hansen does not teach a third server unit to store the pages of the electronic files, the stamping service being capable to obtain a temporary copy of the stored pages and to apply the stamps thereto.

However, Kremer does teach a third server unit to store the pages of the electronic files, the stamping service being capable to obtain a temporary copy of the stored pages and to apply the stamps thereto (Page 6, paragraph 45).

Carroll in view of Hansen and Kremer are combinable because they all manage print jobs across a network.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with Kremer for maintaining an additional copy of the print job (Page 7, paragraph 51).

8. Claims 11 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll (US 2003/0142350) in view of Hansen (US 6,407,820) further in view of Shaw (US 5,602,974).

Regarding Claim 11, Carroll in view of Hansen does not teach printing the stamped electronic document pages asynchronously from other applications running on the client terminal.

However, Shaw teaches printing the stamped electronic document pages asynchronously from other applications running on the client terminal (Column 9, lines 39-40).

Carroll in view of Hansen and Shaw are combinable because they all deal with processing print jobs.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with the teachings of Shaw to allow the print jobs to be more quickly spooled than conventional systems (Column 9, lines 17-39).

Regarding Claim 21, Carroll in view of Hansen does not teach wherein the printer executable component operates asynchronously of client applications.

However, Shaw does teach wherein the printer executable component operates asynchronously of client applications (Column 9, lines 39-40).

Carroll in view of Hansen and Shaw are combinable because they all deal with processing print jobs.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carroll in view of Hansen with the

teachings of Shaw to allow the print jobs to be more quickly spooled than conventional systems (Column 9, lines 17-39).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas C. Pachol whose telephone number is 571-270-3433. The examiner can normally be reached on M-Thr, 8:00 a.m.- 4:00 p.m. (EST), Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler L. Haskins can be reached on 571-272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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